

CLAIMS

1. An infrared receiving unit comprising
an infrared receiver (E) for receiving infrared signals, and
a transmitter search unit (SSE) for carrying out an infrared transmitter search.
2. A receiving unit as set forth in claim 1 further comprising
a memory (FBS) for predetermined frequencies for carrying out an automatic transmitter search within the predetermined frequencies.
3. A receiving unit as set forth in claim 1 or claim 2 further comprising
a latch-in unit (EE) for latching in a received infrared transmitter.
4. A receiving unit as set forth in claim 1, claim 2 or claim 3 further comprising
a switch unit (S) for enabling the transmitter search.
5. A receiving unit as set forth in one of claims 1 through 4 further comprising
a display unit (AE) for displaying the infrared transmitters detected by the transmitter search.
6. A receiving unit as set forth in claim 5 further comprising
a code evaluation unit (CAE) for associating a detected infrared transmitter with a predetermined application.
7. An infrared headphone/hearing aid comprising an infrared receiving unit as set forth in one of claims 1 through 6.
8. A mobile terminal comprising a receiving unit as set forth in one of claims 1 through 6.

9. An interpretation and conference system comprising
a plurality of infrared headphones/hearing aids as set forth in claim 7
and/or a plurality of receiving units as set forth in one of claims 1 through
6, and
infrared transmitters for transmitting infrared signals at specific
frequencies.

10. A system as set forth in claim 9 wherein the infrared transmitter
adds to the infrared signal a specific code corresponding to the specific
frequency of the infrared signal.

11. A system as set forth in claim 9 or claim 10 comprising
means for personalising an infrared headphone as set forth in claim
7, or
an infrared receiving unit as set forth in one of claims 1 through 6.

12. A system as set forth in claim 9, claim 10 or claim 11 comprising
means for transmitting an operating and/or processing program to a
receiving unit as set forth in one of claims 1 through 6.